Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/19/2020 10:01 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124755	-1	2.78	124956	2.87
Blue	F	SSC	125000	124660	-1	2.11	125389	2.16
Blue	E	FITC	15892	15482	-3	2.91	338	21.00
Blue	D	PE	29999	29363	-3	2.13	639	15.38
Blue	B	PerCP-Cy5-5	43732	43514	-1	3.94	1166	21.87
Blue	A	PE-Cy7	30845	30692	-1	6.38	589	43.27
Red	C	APC	46112	45092	-3	2.55	1596	12.41
Red	A	APC-Cy7	30458	29444	-4	2.45	784	12.08
Violet	B	V450	7918	7643	-4	4.07	437	12.68
Violet	A	V500	32171	31281	-3	3.83	732	10.09

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16932	14.41	641	20	N/A	N/A	Pass
Blue	F	SSC	57302	1.53	578	19	N/A	N/A	Pass
Blue	E	FITC	62	64.02	553	10	0.0174	78	Pass
Blue	D	PE	134	51.50	559	11	0.1468	260	Pass
Blue	B	PerCP-Cy5-5	214	51.70	667	11	0.0077	5	Pass
Blue	A	PE-Cy7	108	107.83	712	14	0.0096	16	Pass
Red	C	APC	380	25.32	590	6	0.0227	88	Pass
Red	A	APC-Cy7	172	29.45	560	4	0.0055	1169	Pass
Violet	B	V450	65	58.83	459	1	0.0547	2096	Pass
Violet	A	V500	110	30.77	475	1	0.0238	458	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.78	-32.25	1.04
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.41
Red	16.32	13.60 - 20.40	N/A	N/A	29.54	30.09	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 9510

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments